AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A ~~structure of~~ pick-up head, ~~which~~ said pick-up head ~~utilizes the~~ utilizing a way of electric reading / electric writing to access data on a disk provided with a ferroelectric material, the ~~structure~~ pick-up head comprising:

a signal-writing unit, ~~for providing~~ a voltage being provided by the signal-writing unit to write down ~~signals~~ the data on the disk;

a signal-processing unit, ~~for coping with~~ an electric ~~signals~~ signal read from ~~the~~ a data-storing surface on the disk being processed by the signal-processing unit; and

a pair of conductive wires extended from the signal-writing unit and the signal-processing unit, ~~wherein~~ the ends of the pair of conductive wires ~~are~~ being ~~close but~~ ~~separate to~~ separated by a gap, ~~the signal-writing unit exerts a~~ the voltage being applied by the signal-writing unit on the pair of conductive wires to ~~let the ends~~ generate ~~a~~ an electric field around the gap so as to polarize the data-storing surface on the disk to write the data, ~~perform the function of writing; and when the function of reading is performed,~~ the ends of the pair of conductive wires ~~are~~ being approached to the data-storing surface to induce the situation of polarizing~~,~~ and ~~then~~ the electric signals read from the disk ~~are~~ being transmitted to the signal-processing unit.

2. (Currently Amended) The ~~structure~~ pick-up head according to claim 1, ~~wherein the pick-up head~~ further ~~comprises~~ comprising a switch for determining the pair of conductive wires being connected ~~with~~ to one of the signal-writing unit ~~or~~ and the signal-processing unit.

3. (Currently Amended) The ~~structure~~ pick-up head according to claim 1, ~~wherein the pick-up head~~ further ~~comprises~~ comprising a pedestal for fixing the pair of conductive wires so as to control the positions of the ends of the pair of conductive wires.

4. (Currently Amended) A ~~structure of~~ pick-up head, ~~which utilizes~~ said pick-up head utilizing a ~~the~~ way of optical reading / electric writing to access data on a disk provided with a ferroelectric material, the ~~structure~~ pick-up head comprising:

a signal-writing unit, ~~for providing~~ a voltage being provided by the signal-writing unit to write down ~~signals~~ the data on the disk;

a pair of conductive wires extended from the signal-writing unit, ~~wherein~~ the ends of the pair of conductive wires ~~are~~ being ~~close but~~ ~~separate to~~ separated by a gap, ~~the signal-writing unit exerts a~~ the voltage being applied by the signal-writing unit on

the pair of conductive wires to ~~let the ends~~ generate ~~a~~ an electric field around the gap so as to polarize the data-storing surface on the disk to write the data, ~~perform the function of writing~~;

a laser diode for emitting a laser beam to read the ~~signals~~ data written by the pair of conductive wires;

an object lens for focusing the laser beam on the data-storing surface on the disk to turn into a reading optical point; and

a photodetector for translating a reflective beam from the reading optical point into a electric signal.

5. (Currently Amended) The ~~structure~~ pickup head according to claim 4, ~~wherein the pick-up head~~ further ~~comprises~~ comprising:

a collimator for coping with the laser beam emitted from the laser diode into a parallel optical beam;

a polarization beam splitter for separating the laser beam emitted from the laser diode and the reflective beam from the reading optical point; and

a focusing lens for focusing the reflective beam from the polarization beam splitter on the photodetector.

6. (Currently Amended) The ~~structure~~ pickup head according to claim 4, ~~wherein the pick-up head~~ further ~~comprises~~ comprising a pedestal for fixing the pair of conductive wires so as to control the positions of the ends of the pair of conductive wires.

7. (Currently Amended) A method for accessing ~~signals applied in~~ data by a pick-up head, the pick-up head utilizing a ~~which utilizes the~~ way of electric reading / electric writing to access the data on a disk provided with a ferroelectric material, the method comprising the steps of:

exerting a voltage on a pair of conductive wires on the pick-up head while writing, ~~the ends of the conductive wires generate a microelectrode and the microelectrode generates~~ a thereby generating an electric field between the pair of conductive wires;

letting the electric field ~~generated by the microelectrode~~ approach the disk so as to polarize ~~the~~ a data-storing surface made by the ferroelectric material to write down ~~signals~~ the data;

~~unexerting a voltage on the pair of conductive wires while reading, and~~ utilizing the ends of the pair of conductive wires to induce the polarized electric charges on the data-storing surface; and

processing electric signals which individually represent the polarized electric charges.

8. (Currently Amended) The ~~structure~~ method according to claim 7, ~~wherein~~ further comprising ~~utilizes the polarizing~~ utilizing a polarized area on the data-storing surface to represent one of a digital data 1 and 0, and utilizing ~~unpolarizing~~ an unpolarized area ~~or different directions of polarization~~ on the data-storing surface to represent the other of the digital data 1 and 0.

9. (Currently Amended) The ~~structure~~ method according to claim 7, ~~wherein~~ further comprising providing ~~the pick-up head further comprises~~ a pedestal for fixing the pair of conductive wires so as to control the positions of the ends of the pair of conductive wires.

10. (Currently Amended) A method for accessing ~~signals applied in~~ data by a pick-up head, the pick-up head utilizing a ~~which utilizes the~~ way of optical reading / electric writing to access the data on a disk provided with a ferroelectric material, the method comprising comprising the steps of:

exerting a voltage on a pair of conductive wires on the pick-up head while writing, ~~the ends of the conductive wires~~

~~generate a microelectrode and the microelectrode generates~~ ~~a~~ thereby generating an electric field between the pair of conductive wires;

letting the electric field ~~generated by the microelectrode~~ approach the disk so as to polarize ~~the~~ a data-storing surface made by the ferroelectric material to write down ~~signals~~ the data;

casting a laser beam while reading, the laser beam ~~passes~~ passing through an object lens and ~~focuses~~ focusing on the data-storing surface to turn into a reading optical point; and

utilizing a photodetector to receive a reflective beam from the reading optical point and translating the reflective beam to an electric signal.

11. (Currently Amended) The ~~structure~~ method according to claim 10, ~~wherein~~ further comprising ~~utilizes the polarizing~~ utilizing a polarized area on the data-storing surface to represent one of a digital data 1 and 0, and utilizing ~~unpolarizing~~ an unpolarized area ~~or different directions of polarization~~ on the data-storing surface to represent the other of the digital data 1 and 0.

12. (Currently Amended) The ~~structure~~ method according to claim 10, ~~wherein~~ further comprising providing ~~the pick-up head~~

~~further comprises~~ a pedestal for fixing the pair of conductive wires so as to control the positions of the ends of the wires.